

## GS Neutral Disinfectant Cleaner®

This product is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, hotels and schools, where housekeeping is of prime importance in controlling cross-contamination from treated surfaces.

This product, when used as directed, is formulated to disinfect the following hard non-porous inanimate, environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets. For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfecting.

**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

**GENERAL CLEANING** - Apply this product to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. This product can be diluted at 2 ounces per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

**DISINFECTION** - To disinfect inanimate, hard non-porous surfaces, add 2 ounces of GS Neutral Disinfectant Cleaner per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. For heavily soiled areas, a pre-cleaning step is required.

**BACTERICIDAL STABILITY OF USE-SOLUTION:** Prepare a fresh solution for each use.

**DEODORIZATION** - To deodorize, apply this product as indicated under the heading DISINFECTION.

**MILDEWSTAT** - To control mold and mildew (Aspergillus niger) and the odors they cause on pre-cleaned, hard, non-porous inanimate surfaces add 2 ounces of this product per



gallon of water. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

**BACTERICIDAL ACTIVITY** - At the 2 ounce per gallon dilution this product demonstrates effective disinfectant activity against the organisms: Pseudomonas aeruginosa PRD-10, Salmonella (choleraesuis) enterica, Staphylococcus aureus, Staphylococcus aureus (clinical isolate), Bordetella bronchiseptica, Corynebacterium ammoniagenes, Enterobacter aerogenes, Enterobacter cloacae, Enterobacter cloacae (clinical isolate), Enterococcus faecalis, Enterococcus faecalis (clinical isolate), Escherichia coli, Escherichia coli (clinical isolate), Escherichia coli O111:H8, Fusobacterium necrophorum, Klebsiella pneumoniae subsp. pneumoniae, Lactobacillus casei subsp. rhamnosus, Listeria monocytogenes, Pasteurella multocida, Proteus vulgaris, Proteus mirabilis ATCC 9921, Proteus mirabilis ATCC 25933, Salmonella enterica subsp. enterica serotype paratyphi B, Salmonella enterica subsp. enterica serotype typhi, Salmonella enterica subsp. enterica serotype typhimurium, Salmonella enterica subsp. enterica serotype pullorum, Serratia marcescens, Shigella sonnei, Shigella flexneri Type 2b, Shigella dysenteriae, Staphylococcus aureus subsp. aureus, Staphylococcus epidermidis, Staphylococcus epidermidis (clinical isolate), Streptococcus pyogenes (Clinical - Flesh Eating Strain BIRD M3), Streptococcus pyogenes Group A, Xanthomonas maltophilia (clinical isolate), Vancomycin resistant Enterococcus faecalis (VRE), Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin intermediate resistant Staphylococcus aureus (VISA), Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) NRS 123 Genotype USA400, Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) NRS 384 Genotype USA300, Salmonella enterica subsp. enterica serotype enteritidis, Ampicillin resistant Acinetobacter baumannii, Cefazolin resistant Acinetobacter baumannii, Ceftazidime resistant Acinetobacter baumannii, Ceftriaxone resistant Acinetobacter baumannii, Gentamicin resistant Acinetobacter baumannii, Tobramycin resistant Acinetobacter baumannii, Ciprofloxacin resistant Acinetobacter baumannii, Levofloxacin resistant Acinetobacter baumannii, Bactrim resistant Acinetobacter baumannii.

**FUNGICIDAL ACTIVITY** - At the 2 ounce per gallon dilution, this product is fungicidal against the pathogenic fungi, Trichophyton mentagrophytes (Athlete's Foot Fungus) (a cause of ring worm) and Candida albicans. Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

**\*VIRUCIDAL ACTIVITY** - This product when used on environmental, inanimate, hard, non-porous surfaces exhibits effective virucidal activity against HIV-1, HIV-2, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital), Influenza A2/Hong Kong, Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740, Strain 229E), SARS Associated Coronavirus, Rabies Virus, Paramyxovirus (Mumps), Bovine Viral Diarrhea Virus (BVDV), Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, Canine Distemper Virus, Avian Influenza A Virus, and Porcine Respiratory & Reproductive Syndrome Virus (PRRSV). Add 2 ounces of the product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Kills Pandemic 2009 H1N1 Influenza A virus.

**KILLS HIV-1, HIV-2, HBV, AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).

### SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV AND HCV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**CONTACT TIME:** Allow surface to remain wet for 10 minutes.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

**EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND "VIRUCIDE AGAINST THE LISTED ORGANISMS IN WATER UP TO 400 PPM HARDNESS (AS CaCO<sub>3</sub>) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). THIS PRODUCT IS AN EFFECTIVE FUNGICIDE AGAINST THE LISTED FUNGI IN WATER UP TO 200 PPM HARDNESS (AS CaCO<sub>3</sub>) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**



# GS Neutral Disinfectant Cleaner®

**Cleaner/Disinfectant/ Detergent/Fungicide against pathogenic fungi/ Deodorizer/\*Virucide Mildewstat on hard, non-porous, inanimate surfaces. Kills Pandemic 2009 H1N1 Influenza A virus.**

| ACTIVE INGREDIENTS  |                |
|---|----------------|
| Octyl decyl dimethyl ammonium chloride.....   | 1.627%         |
| Diocetyl dimethyl ammonium chloride.....  | 0.814%         |
| Didecyl dimethyl ammonium chloride.....   | 0.814%         |
| Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) dimethyl benzyl ammonium chloride..... | 2.170%         |
| <b>INERT INGREDIENTS .....</b>  | <b>94.575%</b> |
| Total   | 100.000%       |

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.  
**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.  
**If swallowed:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.  
**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.  
See back panel for additional precautionary statements.

EPA Reg. No. 1839-169-5741  
EPA Est. No. 5741-OH-1

Sold by: Spartan Chemical Company, Inc., 1110 Spartan Drive, Maumee, Ohio 43537 USA  
#3502 NET CONTENTS: 1 U.S. Gallon / 3.79 Liters

Sold by: Spartan Chemical Company, Inc., 1110 Spartan Drive, Maumee, Ohio 43537 USA / 1-800-537-8990 / Medical Emergency: 888-314-6171 / www.spartanchemical.com

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## GS Neutral Disinfectant Cleaner®

EPA Reg. No. 1839-169-5741  
EPA Est. No. 5741-OH-1

### ACTIVE INGREDIENTS:

|  |                 |
|--|-----------------|
| Octyl decyl dimethyl ammonium chloride .....   | 1.627%          |
| Diocetyl dimethyl ammonium chloride .....  | 0.814%          |
| Didecyl dimethyl ammonium chloride.....  | 0.814%          |
| Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) dimethyl benzyl ammonium chloride ..... | 2.170%          |
| <b>INERT INGREDIENTS:</b> .....  | <b>94.575%</b>  |
| <b>Total</b>   | <b>100.000%</b> |

The product in this container is diluted as directed on the pesticide product label. Follow the directions for use on the pesticide label when applying this product. Further sale or distribution of this product is strictly prohibited.

### KEEP OUT OF REACH OF CHILDREN

### PRECAUTIONARY STATEMENTS

KEEP OUT OF REACH OF CHILDREN. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## GS Neutral Disinfectant Cleaner®

EPA Reg. No. 1839-169-5741  
EPA Est. No. 5741-OH-1

### INGREDIENTES ACTIVOS:

|  |                 |
|--|-----------------|
| Cloruro amónico de octildecildimetil.....  | 1.627%          |
| Cloruro amónico de diocildimetil .....   | 0.814%          |
| Cloruro amónico de didecildimetil.....   | 0.814%          |
| Cloruro amónico de alquil (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) dimetilbencilo..... | 2.170%          |
| <b>INGREDIENTES INERTES:</b> .....   | <b>94.575%</b>  |
| <b>TOTAL</b>   | <b>100.000%</b> |

El producto en este recipiente es diluido según las instrucciones en la etiqueta del producto fitosanitario. Siga las instrucciones para uso en la etiqueta del producto fitosanitario cuando se aplica este producto. La venta o distribución adicional de este producto está estrictamente prohibida.

### MANTENGA LEJOS DEL ALCANCE DE LOS NIÑOS

### DECLARACIONES PRECAUCIONARIAS

MANTENGA LEJOS DEL ALCANCE DE LOS NIÑOS. Causa irritación moderada a los ojos. Evite el contacto con los ojos, la piel o la ropa. Lavar muy bien con agua y jabón después de manipular, así como antes de comer, beber, mascar chicle, consumir tabaco o usar el baño. Quitese y lávase la ropa contaminada antes de usar de nuevo.

## GS Neutral Disinfectant Cleaner®

EPA Reg. No. 1839-169-5741  
EPA Est. No. 5741-OH-1

### INGRÉDIENTS ACTIFS :

|   |                 |
|---|-----------------|
| Chlorure d'octylcétyldiméthylammonium.....  | 1.627%          |
| Chlorure de diocetyltriméthylammonium .....   | 0.814%          |
| Chlorure de didécyltriméthylammonium.....   | 0.814%          |
| Chlorure d'alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) diméthyl benzylammonium ..... | 2.170%          |
| <b>INGRÉDIENTS INERTS :</b> .....   | <b>94.575%</b>  |
| <b>Total</b>  | <b>100.000%</b> |

Le produit dans ce conteneur est dilué comme il l'est indiqué sur l'étiquette du produit phytosanitaire. Suivre le mode d'emploi figurant sur l'étiquette du produit phytosanitaire lors de l'application de ce produit. Toute autre vente ou distribution de ce produit est strictement interdite.

### CONSERVER HORS DE LA PORTÉE DES ENFANTS

### MISES EN GARDE

CONSERVER HORS DE LA PORTÉE DES ENFANTS. Provoque une irritation oculaire modérée. Éviter tout contact avec les yeux, la peau ou les vêtements. Se laver abondamment à l'eau et au savon après toute manipulation et avant de manger, de boire, de mâcher de la gomme, d'utiliser du tabac ou d'aller aux toilettes. Enlever et laver les vêtements contaminés avant toute réutilisation.

Sold by: SPARTAN CHEMICAL COMPANY, INC., 1110 Spartan Drive, Maumee, OH 43537 USA / 1-800-537-8990 / [www.spartanchemical.com](http://www.spartanchemical.com) #900200

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# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 13-Jan-2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** GS NEUTRAL DISINFECTANT CLEANER

**Product Number:** 3502 , 3513

**Recommended Use:** Disinfectant

**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:**

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171

**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Skin Corrosion/Irritation: Category 1 Sub-category C

Serious Eye Damage/Eye Irritation: Category 1

**GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Causes severe skin burns and serious eye damage.

**Precautionary Statements:**

**Prevention:**

Do not breathe mist, vapors or spray.

Wash hands and any exposed skin thoroughly after handling.

Wear protective gloves. Wear eye / face protection. Wear protective clothing.

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Response:**

**-Eyes**

**-Skin**

**-Inhalation:**

**-Ingestion:**

**-Specific Treatment:**

**Storage:** Store locked up.

**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

|                           |  |
|---------------------------|--|
| <b>Other Information:</b> | <ul style="list-style-type: none"> <li>• Corrosive.</li> <li>• May be harmful if swallowed.</li> <li>• Inhalation of vapors or mist may cause respiratory irritation.</li> <li>• Keep out of reach of children.</li> <li>• NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</li> </ul> |
|---------------------------|--|

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name                                 | CAS No     | Weight-% |
|---|------------|----------|
| Water   | 7732-18-5  | 60-100   |
| Dicapryl/Dicaprylyl Dimonium Chloride         | 68424-95-3 | 1-5      |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | 68424-85-1 | 1-5      |
| Alcohol                                       | 64-17-5    | 1-5      |
| Tetrasodium EDTA                              | 64-02-8    | 0.1-1    |
| C9-11 Pareth-6                                | 68439-46-3 | 0.1-1    |
| Citric Acid                                   | 77-92-9    | 0.1-1    |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

|                            |   |
|----------------------------|---|
| <b>-Eye Contact:</b>       | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.                               |
| <b>-Skin Contact:</b>      | Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. |
| <b>-Inhalation:</b>        | Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.   |
| <b>-Ingestion:</b>         | Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.  |
| <b>Note to Physicians:</b> | NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.  |

### 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| <b>Suitable Extinguishing Media:</b>                          | Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire  |
| <b>Specific Hazards Arising from the Chemical:</b>            | Dried product is capable of burning. Combustion products are toxic.   |
| <b>Hazardous Combustion Products:</b>                         | May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.   |
| <b>Protective Equipment and Precautions for Firefighters:</b> | Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray. |

### 6. ACCIDENTAL RELEASE MEASURES

|                                   |   |
|-----------------------------------|---|
| <b>Personal Precautions:</b>      | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.   |
| <b>Environmental Precautions:</b> | Do not rinse spill onto the ground, into storm sewers or bodies of water.   |
| <b>Methods for Clean-Up:</b>      | Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). |

### 7. HANDLING AND STORAGE

|                                 |   |
|---------------------------------|---|
| <b>Advice on Safe Handling:</b> | Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.                          |
| <b>Storage Conditions:</b>      | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing. |
| <b>Suggested Shelf Life:</b>    | 1 year from date of manufacture.  |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:**

| Chemical Name      | ACGIH TLV      | OSHA PEL   | NIOSH  |
|--------------------|----------------|--|--|
| Alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |

**Engineering Controls:**

Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

**Personal Protective Equipment**
**Eye/Face Protection:**

Wear splash goggles.

**Skin and Body Protection:**

Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:**

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:**

Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                              |
|--|------------------------------|
| <b>Appearance/Physical State:</b>      | Liquid                       |
| <b>Color:</b>                          | Clear                        |
| <b>Odor:</b>                           | Mild                         |
| <b>pH:</b>                             | 6.0-7.0                      |
| <b>Melting Point / Freezing Point:</b> | No information available.    |
| <b>Boiling Point / Boiling Range:</b>  | 100 °C / 212 °F              |
| <b>Flash Point:</b>                    | > 100 °C / > 212 °F ASTM D56 |
| <b>Evaporation Rate:</b>               | < 1 (Butyl acetate = 1)      |
| <b>Flammability (solid, gas)</b>       | No information available.    |
| <b>Upper Flammability Limit:</b>       | No information available.    |
| <b>Lower Flammability Limit:</b>       | No information available.    |
| <b>Vapor Pressure:</b>                 | No information available.    |
| <b>Vapor Density:</b>                  | No information available.    |
| <b>Specific Gravity:</b>               | 1.0                          |
| <b>Solubility(ies):</b>                | Soluble in water             |
| <b>Partition Coefficient:</b>          | No information available.    |
| <b>Autoignition Temperature:</b>       | No information available.    |
| <b>Decomposition Temperature:</b>      | No information available.    |
| <b>Viscosity:</b>                      | No information available.    |

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

|  |   |
|--|---|
| <b>Hazardous Decomposition Products:</b> | May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors. |
|--|---|

## 11. TOXICOLOGICAL INFORMATION

|                                   |   |
|-----------------------------------|---|
| <b>Likely Routes of Exposure:</b> | Eyes, Skin, Ingestion, Inhalation.  |
| <b>Symptoms of Exposure:</b>      |   |
| -Eye Contact:                     | Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage. |
| -Skin Contact:                    | Pain, redness, blistering and possible chemical burn.   |
| -Inhalation:                      | Nasal discomfort and coughing.  |
| -Ingestion:                       | Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.           |

**Immediate, Delayed, Chronic Effects**

Product Information: Data not available or insufficient for classification.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

|                                |             |
|--------------------------------|-------------|
| ATEmix (oral):                 | 2643 mg/kg  |
| ATEmix (dermal):               | 33776 mg/kg |
| ATEmix (inhalation-dust/mist): | 5.43 mg/l   |

**Component Acute Toxicity Information**

| Chemical Name   | Oral LD50            | Dermal LD50   | Inhalation LC50          |
|---|----------------------|---------------|--------------------------|
| Water<br>7732-18-5  | > 90 mL/kg ( Rat )   | Not Available | Not Available            |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride<br>68424-85-1 | = 426 mg/kg ( Rat )  | Not Available | Not Available            |
| Alcohol<br>64-17-5  | = 7060 mg/kg ( Rat ) | Not Available | = 124.7 mg/L ( Rat ) 4 h |
| Tetrasodium EDTA<br>64-02-8                                 | = 1658 mg/kg ( Rat ) | Not Available | Not Available            |
| C9-11 Pareth-6<br>68439-46-3                                | = 1400 mg/kg ( Rat ) | Not Available | Not Available            |
| Citric Acid<br>77-92-9                                      | = 3 g/kg ( Rat )     | Not Available | Not Available            |

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

| Chemical Name               | Algae/Aquatic Plants                         | Fish   | Toxicity to Microorganisms | Crustacea   |
|-----------------------------|--|--|----------------------------|---|
| Alcohol<br>64-17-5          | Not Available                                | 12.0 - 16.0: 96 h<br>Oncorhynchus mykiss mL/L<br>LC50 static 100: 96 h<br>Pimephales promelas mg/L<br>LC50 static 13400 - 15100:<br>96 h Pimephales promelas<br>mg/L LC50 flow-through | Not Available              | 9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static |
| Tetrasodium EDTA<br>64-02-8 | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static  | Not Available              | Not Available   |
| Citric Acid<br>77-92-9      | Not Available                                | 1516: 96 h Lepomis macrochirus mg/L LC50 static  | Not Available              | Not Available   |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquid, n.o.s., (contains Quaternary Ammonium Chloride)  
**Hazard Class:** 8  
**Packing Group:** III  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**

**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquid, n.o.s., (contains Quaternary Ammonium Chloride)  
**Hazard Class:** 8  
**Packing Group:** III

### 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

|   |     |
|---|-----|
| <b>Acute Health Hazard:</b>               | Yes |
| <b>Chronic Health Hazard:</b>             | No  |
| <b>Fire Hazard:</b>                       | No  |
| <b>Sudden release of pressure hazard:</b> | No  |
| <b>Reactive Hazard:</b>                   | No  |

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 1839-169-5741**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label:**

Danger. Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### 16. OTHER INFORMATION

|             |                          |                        |                            |                     |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| <b>NFPA</b> | <b>Health Hazards:</b> 3 | <b>Flammability:</b> 0 | <b>Instability:</b> 0      | <b>Special:</b> N/A |
| <b>HMIS</b> | <b>Health Hazards:</b> 3 | <b>Flammability:</b> 0 | <b>Physical Hazards:</b> 0 |                     |

**Revision Date:** 13-Jan-2020

**Reasons for Revision:** Section, 2, 3, 7, 11, and, 14

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# User-Prepared Solution Safety Summary Sheet

Revision Date: 16-Sep-2019

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** GS NEUTRAL DISINFECTANT USER-PREPARED SOLUTION (1:64)  
Diluted at 1:64 (or greater) in water

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**Medical Emergency/Information:** 888-314-6171

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Not Classified Not classified as hazardous by 29 CFR 1910.1200 (OSHA HazCom-GHS)

### GHS Label Elements

**Signal Word:** No signal word

### Symbols:

No hazard statements

### Hazard Statements:

No hazard statements

### Precautionary Statements:

Prevention: Not Applicable

### Response:

-Specific Treatment: See Safety Summary Sheet Section 4: "First Aid Measures" for additional information.

Storage: Not Applicable

Disposal: Not Applicable

Hazards Not Otherwise Classified: Not Applicable

Other Information: May be harmful if swallowed. Causes moderate eye irritation. May cause skin irritation. Inhalation of vapors or mist may cause respiratory irritation. Keep out of reach of children.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name                                 | CAS No     | Weight-% |
|---|------------|----------|
| Water   | 7732-18-5  | 90-100   |
| Dicapryl/Dicaprylyl Dimonium Chloride         | 68424-95-3 | 0-0.1    |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | 68424-85-1 | 0-0.1    |
| Alcohol                                       | 64-17-5    | 0-0.1    |
| Tetrasodium EDTA                              | 64-02-8    | 0-0.1    |
| C9-11 Pareth-6                                | 68439-46-3 | 0-0.1    |
| Citric Acid                                   | 77-92-9    | 0-0.1    |

## 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**-Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.

|                            |   |
|----------------------------|---|
| <b>-Ingestion:</b>         | Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell. |
| <b>Note to Physicians:</b> | Treat symptomatically.  |

## 5. PERSONAL PROTECTIVE EQUIPMENT (PPE)

|  |  |
|--|--|
| <b>Eye/Face Protection:</b>            | Wear splash goggles.   |
| <b>Skin and Body Protection:</b>       | Wear rubber or other chemical-resistant gloves.  |
| <b>Respiratory Protection:</b>         | Not required with expected use.<br>If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered. |
| <b>General Hygiene Considerations:</b> | Wash hands and any exposed skin thoroughly after handling.<br>See 29 CFR 1910.132-138 for further guidance.  |

## 6. PHYSICAL AND CHEMICAL PROPERTIES

|                          |                              |
|--------------------------|------------------------------|
| <b>Color:</b>            | Colorless                    |
| <b>Odor:</b>             | Mild                         |
| <b>pH:</b>               | 7.0-8.0                      |
| <b>Flash Point:</b>      | > 100 °C / > 212 °F ASTM D56 |
| <b>Specific Gravity:</b> | 1.00                         |

## 7. OTHER INFORMATION

|             |                          |                        |                            |                     |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| <b>NFPA</b> | <b>Health Hazards:</b> 1 | <b>Flammability:</b> 0 | <b>Instability:</b> 0      | <b>Special:</b> N/A |
| <b>HMIS</b> | <b>Health Hazards:</b> 1 | <b>Flammability:</b> 0 | <b>Physical Hazards:</b> 0 |                     |

**Revision Date:** 16-Sep-2019  
**Reasons for Revision:** Section 3



# SANI-T-10 Plus®

Food Contact Sanitizer. For Restaurants,  
Food Handling and Process Areas, Wineries,  
Federally Inspected Meat and Poultry Plants,  
Bars and Institutional Kitchens.

This product is formulated for use on washable hard, non-porous surfaces such as: Dishes, glassware, silverware, cooking utensils, eating utensils, plastic and other non-porous cutting boards, plastic and other hard, non-porous chopping blocks, coolers, ice chests, refrigerator bins used for meat, vegetables, fruit and eggs, 'Tupperware'. Kitchen equipment such as food processors, blenders, cutlery, trash compactors and other utensils. For food storage areas.

**ACTIVE INGREDIENTS:**

|   |        |
|---|--------|
| Proprietary Blend (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride | 4.0%   |
| Ammonium Chloride   | 3.0%   |
| Ammonium Chloride   | 1.5%   |
| Ammonium Chloride   | 1.5%   |
| Ammonium Chloride   | 90.0%  |
| Total   | 100.0% |

**OTHER INGREDIENTS:**

EPA Reg. No. 10224-117-5741  
SPARTAN CHEMICAL COMPANY, INC.  
1-800-557-8990 / For Medical Emergencies, call 888-314-6171 / www.spartanchemical.com  
#315905 NET CONTENTS: 5 U.S. Gallons / 18.92 Liters

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**

See back panel of label for additional precautionary statements.

**FIRST AID**

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin with plenty of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

**IF SWALLOWED:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

1-800-557-8990 / For Medical Emergencies, call 888-314-6171 / www.spartanchemical.com  
#315905 NET CONTENTS: 5 U.S. Gallons / 18.92 Liters

# **Q10 Plus®**

Restaurants,  
Dairies, Wineries,  
Meat Processing Plants,

## **FOOD CONTACT SANITIZING DIRECTIONS:**

Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before applications of the sanitizing solution.

## **FOOD CONTACT SANITIZING PERFORMANCE FOR PUBLIC EATING PLACES, DAIRY PROCESSING EQUIPMENT AND FOOD PROCESSING EQUIPMENT, UTENSILS AND OTHER HARD, NON-POROUS FOOD CONTACT SURFACES IN FOOD PROCESSING LOCATIONS, MEAT PLANTS, BAKERIES, CANNERRIES, BEVERAGE PLANTS, RESTAURANTS AND BARS**

**DIRECTIONS:** Immerse pre-cleaned glassware, dishes, silverware, cooking utensils and other similar size food processing equipment in a solution of 0.75-2 oz. of this product per 4 gal. of water (150-400 ppm active quat) (or equivalent use dilution) for at least 1 minute. Allow sanitized surfaces to adequately drain and then air dry before contact with food. Do not rinse. For articles too large for immersing, apply a use solution of 0.75-2 oz. of this product per 4 gal. of water (150-400 ppm active quat) (or equivalent use dilution) to sanitize hard, non-porous food contact surfaces with a brush, cloth, mop, sponge, auto scrubber, mechanical spray device, coarse pump or trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Surfaces must remain wet for at least 1 minute. Allow sanitized surfaces to adequately drain and then air dry before contact with food. Do not rinse. Prepare a fresh solution daily or when visibly dirty. For mechanical application, use solution must not be reused for sanitizing applications.

## **SANITIZING EGG SHELLS INTENDED FOR FOOD**

**DIRECTIONS:** To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a solution of 0.75-2 oz. of this product per 4 gal. of water (150-400 ppm active quat) (or equivalent use dilution) of the eggs. The solution must be warmer than 130°F. Wet eggs sanitized with this product must be subjected to a potable water rinse only if they are to be used in products. Eggs must be reasonably dry before casing or breaking. The solution must not be re-used for sanitizing eggs.  
**Note:** Only clean, whole eggs can be sanitized. Broken, cracked or punctured eggs cannot be

# **WARNING**

# **AVISO**

# **Avertissement**



Children can fall into buckets  
and drown.  
Keep children away from buckets  
with even a small amount of liquid.

Los niños pueden caer dentro  
de los bidones y ahogarse.  
Mantenga a los niños alejados de  
los bidones con cuantos volúmenes  
tengan un poco de líquido.

Un enfant peut tomber dans le  
bocal et s'y noyer.  
Tenir les enfants loin des bocaux  
mêmes si ils contiennent une très  
petite quantité de liquide.

#### **FOOD CONTACT SANITIZING PERFORMANCE:**

This product is an effective food contact sanitizer in 1 minute at 1 oz. per 4 gal. of 500 ppm hard water (200 ppm active) on hard, non-porous surfaces: *Aeromonas hydrophila*, *Campylobacter jejuni*, *Clostridium perfringens*-vegetative, *Escherichia coli*, *Escherichia coli* O157:H7, *Escherichia coli* O111:H8, *Escherichia coli* O45:K:-H-, *Escherichia coli* O103:K:-H8, *Escherichia coli* O121:K:-H10, *Escherichia coli* O26:H11, *Enterococcus faecalis* Vancomycin Resistant, *Enterobacter sakazakii*, *Listeria monocytogenes*, *Klebsiella pneumoniae*, *Salmonella enterica*, *Salmonella enteritidis*, *Salmonella typhi*, *Shigella dysenteriae*, *Shigella sonnei*, *Staphylococcus aureus*, *Staphylococcus aureus* Methicillin Resistant, *Streptococcus pyogenes*, *Yersinia enterocolitica*.

This product is an effective food contact sanitizer in 1 minute at 0.75 oz. per 4 gal. of 300 ppm hard water (150 ppm active) on hard, non-porous surfaces: *Escherichia coli*, *Staphylococcus aureus*.

This product is an effective food contact sanitizer in 1 minute at 2 oz. per 4 gal. of 1000 ppm hard water (400 ppm active) on hard, non-porous surfaces: *Escherichia coli*, *Staphylococcus aureus*.

#### **NON-FOOD CONTACT SANITIZING PERFORMANCE:**

This product is an effective one-step non-food contact sanitizer in 3 minutes at 1 oz. per 5 gal. of water (150 ppm active) and 5% soil on hard, non-porous surfaces against: *Staphylococcus aureus*, *Klebsiella pneumoniae*.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Before using this product in federally inspected meat and poultry food processing plants, food products and packaging materials must be removed from the room or carefully protected.



7 53727 05428 2



**SAN**

Food Contact  
Food Handling  
Federally Inspected  
Bars and

This product is formulated for use on washable hard, non-porous cutting boards, plastic and other hard, non-porous surfaces such as metal, wood, glass, ceramic, stone, rubber, vinyl, and other non-porous cutting boards, plastic and other hard, non-porous surfaces such as metal, wood, glass, ceramic, stone, rubber, vinyl, fruit and eggs, Tupperware®. Kitchen equipment such as food processors, blenders, mixers, knives, spoons, forks, and other utensils.

#### **ACTIVE INGREDIENTS:**

|  |        |
|--|--------|
| Alkyl (50% C14, 40% C12,<br>10% C16) Dimethyl Benzyl | 4.0%   |
| Ammonium Chloride                                    | 3.0%   |
| Octyl Decyl Dimethyl                                 | 1.5%   |
| Ammonium Chloride                                    | 1.5%   |
| Didecyldimethyl                                      | 0.0%   |
| Ammonium Chloride                                    | 0.0%   |
| Diocetyl Dimethyl                                    | 0.0%   |
| Ammonium Chloride                                    | 0.0%   |
| TOTAL:   | 100.0% |

EPA Reg. No. 10324-117-5741  
EPA Est. No. 5741-OH-1

In case of emergency, contact:  
Spartan Chemical Company  
1-800-537-4999  
#315982  
Sol. 1-A, Rte. 1, Box 111  
Canton, OH 44708  
IF IN EYES:  
Wash thoroughly with water.  
IF ON SKIN:  
Wash with soap and water.  
IF INHALED:  
Move to fresh air.  
IF SWALLOWED:  
DO NOT INDUCE VOMITING.  
Call a physician or  
Poison Control Center.

NOTE TO PHYSICIAN:  
Product is a food contact  
sanitizer. It is not a  
medicine. It is not  
toxic. It is not  
a disinfectant.

Sold by SPARTAN CHEMICAL COMPANY  
1-800-537-4999  
#315982  
Sol. 1-A, Rte. 1, Box 111  
Canton, OH 44708  
IF IN EYES:  
Wash thoroughly with water.  
IF ON SKIN:  
Wash with soap and water.  
IF INHALED:  
Move to fresh air.  
IF SWALLOWED:  
DO NOT INDUCE VOMITING.  
Call a physician or  
Poison Control Center.



CORROSIVE

8

UN 1903, Disinfectants,  
liquid, corrosive, n.o.s.,  
(quaternary ammonium compound) 8, II

FOOD CONTACT SANITIZER

This product is an effective food contact sanitizer at 1:100 dilution in 20 ppm hard water on non-porous surfaces. It kills Campylobacter spp., Escherichia coli O157:H7, Escherichia coli O45:H4, Staphylococcus aureus, Escherichia coli O26:H11, Escherichia coli O104:H4, Salmonella enterica, Listeria monocytogenes, and Salmonella Enteritidis.

This product is an effective food contact sanitizer at 1:100 dilution in 20 ppm hard water on non-porous surfaces. It kills Campylobacter spp., Escherichia coli O157:H7, Escherichia coli O45:H4, Staphylococcus aureus, Escherichia coli O26:H11, Escherichia coli O104:H4, Salmonella enterica, Listeria monocytogenes, and Salmonella Enteritidis.

NON-TOXIC

PERFECT

SAFE

STAINLESS STEEL

DISINFECTANT

ANTI-BACTERIAL

ANTI-MICROBIAL

ANTI-FUNGAL

ANTI-VIRAL

# SANI-T-10 Plus®

## FOR TREATMENT OF MEAT AND POULTRY OR FRUIT AND VEGETABLE CONVEYORS:

Remove gross food particles and excess soil by a pre-flush or pre-scraps. Wash with a good detergent or compatible cleaner. Rinse equipment thoroughly with potable water and then rinse equipment with a sanitizing solution. During processing apply 0.75-2 oz. of this product per 4 gal. of water (150-400 ppm active quat) (or equivalent use dilution) of this product to conveyors with suitable feeding equipment. Do not allow this solution to be sprayed directly on food. Controlled volumes of sanitizer are applied to return portion of conveyor through nozzles so located as to permit maximum drainage of sanitizer from equipment and to prevent puddles on top of belt. During interruptions in operation, apply solution using coarse spray equipment to peelers, collators, slicers and saws, and other non-porous conveyor equipment. Allow surfaces to remain wet for at least 1 minute. Conveyors and other equipment must be free of product when applying this coarse spray.

## BEVERAGE DISPENSING AND SANITARY FILLING EQUIPMENT SANITIZER DIRECTIONS:

For sanitizing hard, non-porous bottling or pre-mix dispensing equipment and bottles or cans in the final rinse application. This product is to be proportioned into the final rinse water line of the container washer or rinser. Fill equipment with a solution of 0.75-2 oz. of this product per 4 gal.

## DANGER.

Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and chemical-resistant gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothes and wash clothing before reuse.

## DANGER.

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, rivers, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

of water (150-400 ppm active quat) (or equivalent use dilution) of this product. Surfaces must remain wet for at least 1 minute or until operations resume at which time the sanitizing solution must be drained from the system. Allow sanitized surfaces to adequately drain and then air dry before contact with liquid. Do not rinse.

## NON-FOOD CONTACT SURFACE SANITIZING DIRECTIONS FOR FOOT DIP OF WATER PROOF FOOTWEAR:

Use this product at 1-5.2 oz per 5 gal. of water in foot dip tray. Shoe baths must contain at least 1 inch of freshly made solution and be placed at the entrances to buildings. Scrape shoes and place in diluted solution for 3 minutes before entering building. Prepare a fresh solution daily or when visibly dirty.

(For food processing or other facilities that have installed entryway sanitizing systems.)

## ENTRYWAY SANITIZING SYSTEMS:

To reduce cross-contamination on treated surfaces from area to area, set the system to deliver 1.25 - 2.75 oz. of this product per 2.5 gal. of water (or equivalent use dilution) of sanitizing solution. The spray must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor. Do not mix other foam additives with the sanitizing solution.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**PESTICIDE STORAGE:** Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. Pesticide wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Household Hazardous Waste Disposal Service for guidance.

**CONTAINER HANDLING:** Non-Refillable Container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse all plastic wastes generated at the nearest EPA Regional Office for guidance.

**DISPOSAL:** Follow instructions for disposal of empty containers. For the container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal Instructions for rinsate disposal. Rinse container two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.

Bethel, OH SPARTAN CHEMICAL COMPANY, INC.  
1114 Berliner Drive, Massillon, OH 44652 / 1-800-537-8998 / For Medical Emergencies, call, 888-314-8171 / www.spartanchemical.com

#315903

# SANI-T-10 Plus®

Food Contact Sanitizer. For Restaurants, Food Handling and Process Areas, Wineries, Federally Inspected Meat and Poultry Plants, Bars and Institutional Kitchens.

USER-PREPARED READY-TO-USE SOLUTION for EPA Reg. No. 10324-117-5741

|   |        |
|---|--------|
| ACTIVE INGREDIENTS:                     |        |
| Alkyl (50% C14, 40% C12, 10% C16)       | 4.0%   |
| dimethyl benzyl ammonium chloride       |        |
| Ocetyl Decyl Dimethyl Ammonium Chloride | 3.0%   |
| Dodecyl Dimethyl Ammonium Chloride      | 1.5%   |
| Octyl Dimethyl Ammonium Chloride        | 1.5%   |
| TOTAL:                                  | 90.0%  |
| OTHER INGREDIENTS:                      | 100.0% |
| KEEP OUT OF REACH OF CHILDREN           |        |
| CAUTION                                 |        |

The product in this container is diluted as directed on the pesticide label. Follow the complete directions for use on the original container label when applying this product. Read Safety Data Sheet before using product.

## PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
CAUTION. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates.

## FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**DO NOT MIX WITH OTHER CHEMICALS.**  
MEDICAL EMERGENCY: 888-314-6171

SPARTAN CHEMICAL COMPANY, INC., 1110 Spartan Drive, Maumee, OH 43537 / 1-800-537-8990 / [www.spartanchemical.com](http://www.spartanchemical.com)

# SANI-T-10 Plus®

Desinfectante de Contacto Alimentario. Para Restaurantes, Manejo de Alimentos y Áreas de Proceso, Bodegas, Fábricas de Carne y Aves de Corral Federalmente Inspeccionadas, Bares y Cocinas Institucionales.

SOLUCIÓN LISTA-PARA-USAR PREPARADA POR EL USUARIO para el No. Reg. EPA 10324-117-5741

## INGREDIENTES ACTIVOS:

|  |        |
|--|--------|
| Cloruro amónico dimetilbenzilo de alquil (50% C14, 40% C12, 10% C16) | 4.0%   |
| Cloruro amónico de octadecildimetilo                                 | 3.0%   |
| Cloruro de didecidilammonio  | 1.5%   |
| Cloruro amónico de dimetildioctilo                                   | 1.5%   |
| TOTAL:   | 90.0%  |
| INGREDIENTES OTROS:  | 100.0% |

## TOTAL:

MANTENGA LEJOS DEL ALCANCE DE LOS NIÑOS

## PRECAUCIÓN

El producto en este recipiente es diluido según las instrucciones en la etiqueta de productos fitosanitarios. Siga las instrucciones completas para el uso en la etiqueta del recipiente original cuando aplique este producto. Léa la hoja de datos de seguridad antes de usar el producto.

## DECLARACIONES DE PRECAUCIÓN

### DANÍO A HUMANOS Y A ANIMALES DOMÉSTICOS

**AUACIÓN.** Difino si se ingiere, inhala o se absorbe por la piel. Evita el contacto con los ojos, piel e ropa. Lavar muy bien con agua y jabón después de manipular, así como antes de comer, beber, masticar chicle, consumir tabaco o usar el baño. Quitese la ropa contaminada y lávela antes de usar de nuevo.

### PELIGROS AMBIENTALES

Este producto es tóxico para los peces y los invertebrados acuáticos.

## PRIMEROS AUXILIOS

En caso de emergencia, llame a un centro de control de envenenamiento o a un médico para obtener consejos sobre el tratamiento. Tenga el envase o la etiqueta del producto cuando llame a un centro de control de envenenamiento o al médico, o vaya a recibir tratamiento.

**EN CASO DE CONTACTO CON LA PIEL:** Quite la ropa contaminada. Enjuague la piel inmediatamente con abundante agua durante 15-20 minutos.

### NO MEZCLE CON OTRAS SUSTANCIAS QUÍMICAS.

EMERGENCIA MÉDICA: 888-314-6171

# SANI-T-10 Plus®

Sanitizer pour contacts avec les aliments. Pour les restaurants, la manutention des aliments et les quartiers de transformation, les vignobles, les veines et les plantes de volailles, les bars et les piscines institutionnelles inspectées par le gouvernement fédéral.

UNE SOLUTION PRÉPARÉE À L'INTENTION DE L'UTILISATEUR, PRÈTE À L'EMPLOI pour le EPA Reg. N° 10324-117-5741

## INGRÉDIENTS ACTIFS :

|                                       |        |
|---------------------------------------|--------|
| Alkyl (50% C14, 40% C12, 10% C16)     | 4.0%   |
| chlorure de diméthylbenzylammonium    | 3.0%   |
| Chlorure d'octyldecyldiméthylammonium | 1.5%   |
| Chlorure de didécyldiméthylammonium   | 1.5%   |
| Chlorure de dioctyldiméthylammonium   | 90.0%  |
| INGRÉDIENTS AUTRES :                  | 100,0% |

## TOTAL:

## CONSERVER HORS DE LA PORTÉE DES ENFANTS

## MISE EN GARDE

Le produit dans ce conteneur est dilué comme il l'est indiqué sur l'étiquette des produits phytosanitaires.

Suive, dans son intégralité, le mode d'emploi qui figure sur le récipient d'origine lors de l'application de ce produit.

Lisez la fiche de données de sécurité avant d'utiliser le produit.

## MISES EN GARDE

### DANGEREUX POUR LES êTRES HUMAINS ET LES ANIMAUX DOMESTIQUES

**MISE EN GARDE.** Nocif si avalé, inhalé ou absorbé par la peau. Éviter le contact avec la peau, les yeux ou les vêtements. Se laver abondamment à l'eau et au savon après toute manipulation et avant de manger, de boire, de mâcher de la gomme, d'utiliser du tabac ou d'aller aux toilettes. Enlever les vêtements contaminés et laver les vêtements avant toute réutilisation.

## DANGERS ENVIRONNEMENTAUX

Ce produit est toxique pour les poissons et les invertébrés aquatiques.

## PREMIERS SOINS

En cas d'urgence, appelez un centre antipoison ou un médecin pour obtenir des conseils sur le traitement. Ayez le contenant ou l'étiquette du produit lorsque vousappelez un centre antipoison ou un médecin, ou si vous envisagez un traitement.

**EN CAS DE CONTACT AVEC LA PEAU:** Enlevez les vêtements contaminés. Rincer la peau immédiatement et abondamment à l'eau pendant 15 à 20 minutes.

**NE PAS MÉLANGER AVEC D'AUTRES PRODUITS CHIMIQUES.**

URGENCE MÉDICALE : 888-314-6171

#966200

© SCC 3/13

## SANI-T-10 Plus®

Food Contact Sanitizer. For Restaurants, Food Handling and Process Areas, Wineries, Federally Inspected Meat and Poultry Plants, Bars and Institutional Kitchens.

USER-PREPARED READY-TO-USE SOLUTION for EPA Reg. No. 10324-117-5741

**ACTIVE INGREDIENTS:**

|  |        |
|--|--------|
| Alkyl (50% C14, 40% C12, 10% C16)      | 4.0%   |
| Octyl Decyl Dimethyl Ammonium Chloride | 3.0%   |
| Didecy Dimethyl Ammonium Chloride      | 1.5%   |
| Diocetyl Dimethyl Ammonium Chloride    | 1.5%   |
| OTHER INGREDIENTS:                     | 90.0%  |
| TOTAL:                                 | 100.0% |

KEEP OUT OF REACH OF CHILDREN

**CAUTION:**

The product in this container is diluted as directed on the pesticide label. Follow the complete directions for use on the original container label when applying this product.

Read Safety Data Sheet before using product.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION.** Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates.

**FIRST AID**

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**DO NOT MIX WITH OTHER CHEMICALS.**  
**MEDICAL EMERGENCY:** 888-314-6171

## SANI-T-10 Plus®

Desinfectante de Contacto Alimentario. Para Restaurantes, Manejo de Alimentos y Áreas de Proceso, Bodegas, Fábricas de Carne y Aves de Corral Federalmente Inspeccionadas, Bares y Cocinas Institucionales.

SOLUCIÓN LISTA-PARA-USAR PREPARADA POR EL USUARIO para el No. Reg. EPA 10324-117-5741

**INGREDIENTES ACTIVOS:**

|  |        |
|--|--------|
| Cloruro amónico dimetilbencílico de alquíl (50% C14, 40% C12, 10% C16) | 4.0%   |
| Cloruro amónico de octadecidimetil                                     | 3.0%   |
| Cloruro de didecidimetilamonio   | 1.5%   |
| Cloruro amónico de dimetildioctil                                      | 1.5%   |
| INGREDIENTES OTROS:  | 90.0%  |
| TOTAL:   | 100.0% |

**MANTENGA LEJOS DEL ALCANCE DE LOS NIÑOS**

**PRECAUCIÓN:**

El producto en este recipiente es diluido según las instrucciones en la etiqueta de productos fitosanitarios.

Siga las instrucciones completas para el uso en la etiqueta del recipiente original cuando aplique este producto.

Leer la hoja de datos de seguridad antes de usar el producto.

**DECLARACIONES DE PRECAUCIÓN**

**DANINO A HUMANOS Y A ANIMALES DOMÉSTICOS**

**PRECAUCIÓN.** Dañino si se ingiere, inhala o se absorbe por la piel. Evite el contacto con los ojos, piel o ropa. Lavar muy bien con agua y jabón después de manipular, así como antes de comer, beber, mascar chicle, consumir tabaco o usar el baño. Quitese la ropa contaminada y lávela antes de usar de nuevo.

**PELIGROS AMBIENTALES**

Este producto es tóxico para los peces y los invertebrados acuáticos.

**PRIMEROS AUXILIOS**

En caso de emergencia, llame a un centro de control de envenenamiento o a un médico para obtener consejos sobre el tratamiento. Tenga el envase o la etiqueta del producto cuando llame a un centro de control de envenenamiento o al médico, o vaya a recibir tratamiento.

**EN CASO DE CONTACTO CON LA PIEL:** Quite la ropa contaminada. Enjuague la piel inmediatamente con abundante agua durante 15-20 minutos.

**NO MEZCLE CON OTRAS SUSTANCIAS QUÍMICAS.**

EMERGENCIA MÉDICA: 888-314-6171

## SANI-T-10 Plus®

Sanitizer pour contacts avec les aliments. Pour les restaurants, la manutention des aliments et les quartiers de transformation, les vignobles, les veines et les plantes de volailles, les bars et les piscines institutionnelles inspectées par le gouvernement fédéral.

UNE SOLUTION PRÉPARÉE À L'INTENTION DE L'UTILISATEUR, PRÈTE À L'EMPLOI pour le EPA Reg. N° 10324-117-5741

**INGRÉDIENTS ACTIFS :**

|                                       |        |
|---------------------------------------|--------|
| Alkyl (50% C14, 40% C12, 10% C16)     | 4.0%   |
| chlorure de diméthylbenzylammonium    | 3.0%   |
| Chlorure d'octyldecyldiméthylammonium | 1.5%   |
| Chlorure de dihexyldiméthylammonium   | 1.5%   |
| INGRÉDIENTS AUTRES :                  | 90.0%  |
| TOTAL:                                | 100.0% |

CONSERV HORS DE LA PORTÉE DES ENFANTS

**MISE EN GARDE**

Le produit dans ce conteneur est dilué comme il l'est indiqué sur l'étiquette des produits phytosanitaires.

Suivre, dans son intégralité, le mode d'emploi qui figure sur le récipient d'origine lors de l'application de ce produit.

Lisez la fiche de données de sécurité avant d'utiliser le produit.

**MISES EN GARDE**

**DANGEREUX POUR LES ÉTRES HUMAINS ET LES ANIMAUX DOMESTIQUES**

**MISE EN GARDE.** Nocif si avalé, inhalé ou absorbé par la peau. Éviter le contact avec la peau, les yeux ou les vêtements. Se laver abondamment à l'eau et au savon après toute manipulation et avant de manger, de boire, de mâcher de la gomme, d'utiliser du tabac ou d'aller aux toilettes. Enlever les vêtements contaminés et laver les vêtements avant toute réutilisation.

**DANGERS ENVIRONNEMENTAUX**

Ce produit est toxique pour les poissons et les invertébrés aquatiques.

**PREMIERS SOINS**

En cas d'urgence,appelez un centre antipoison ou un médecin pour obtenir des conseils sur le traitement. Ayez le contenant ou l'étiquette du produit lorsque vous appelez un centre antipoison ou un médecin, ou si vous envisagez un traitement.

**EN CAS DE CONTACT AVEC LA PEAU:** Enlevez les vêtements contaminés. Rincer la peau immédiatement et abondamment à l'eau pendant 15 à 20 minutes.

**NE PAS MELANGER AVEC D'AUTRES PRODUITS CHIMIQUES.**

URGENCE MÉDICALE : 888-314-6171

#966200

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SPARTAN CHEMICAL COMPANY, INC., 1110 Spartan Drive, Maumee, OH 43537 / 1-800-537-8990 / [www.spartanchemical.com](http://www.spartanchemical.com)



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 02-Jul-2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SANI-T-10 PLUS

**Product Number:** 3159 , 4801, 3159I

**Recommended Use:** No Rinse Sanitizer

**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171

**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute Toxicity - Oral: Category 4

Skin Corrosion/Irritation: Category 1

Serious Eye Damage/Eye Irritation: Category 1

#### GHS Label Elements

**Signal Word:** Danger

**Symbols:**



#### **Hazard Statements:**

Harmful if swallowed.

Causes severe skin burns and serious eye damage.

#### Precautionary Statements:

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product

Do not breathe mist, vapors or spray.

Wear protective gloves. Wear eye / face protection. Wear protective clothing.

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

#### **Response:**

**-Eyes**

**-Skin**

**-Inhalation:**

**-Ingestion:**

**-Specific Treatment:**

#### **Storage:**

Store locked up.

#### **Disposal:**

Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Corrosive.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

0.21% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name                           | CAS No     | Weight-% |
|---|------------|----------|
| Water                                   | 7732-18-5  | 60-100   |
| dialkyl dimethyl ammonium chloride      | 68424-95-3 | 3-7      |
| alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | 1-5      |
| Ethanol                                 | 64-17-5    | 1-5      |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
- Skin Contact:** Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. Discard or destroy contaminated shoes.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person. Call a poison center or physician if you feel unwell.
- Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### 7. HANDLING AND STORAGE

|                                 |   |
|---------------------------------|---|
| <b>Advice on Safe Handling:</b> | Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.                          |
| <b>Storage Conditions:</b>      | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing. |
| <b>Suggested Shelf Life:</b>    | 1 year from date of manufacture.  |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:**

| Chemical Name      | ACGIH TLV      | OSHA PEL   | NIOSH  |
|--------------------|----------------|--|--|
| Ethanol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |

**Engineering Controls:**

Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

**Personal Protective Equipment**
**Eye/Face Protection:**

Wear splash goggles.

**Skin and Body Protection:**

Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:**

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:**

Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                              |
|--|------------------------------|
| <b>Appearance/Physical State:</b>      | Liquid                       |
| <b>Color:</b>                          | Clear Light yellow           |
| <b>Odor:</b>                           | Low                          |
| <b>pH:</b>                             | 6.0-8.0                      |
| <b>Melting Point / Freezing Point:</b> | No information available.    |
| <b>Boiling Point / Boiling Range:</b>  | 100 °C / 212 °F              |
| <b>Flash Point:</b>                    | > 100 °C / > 212 °F ASTM D56 |
| <b>Evaporation Rate:</b>               | < 1 (BuAc = 1)               |
| <b>Flammability (solid, gas)</b>       | No information available.    |
| <b>Upper Flammability Limit:</b>       | No information available.    |
| <b>Lower Flammability Limit:</b>       | No information available.    |
| <b>Vapor Pressure:</b>                 | No information available.    |
| <b>Vapor Density:</b>                  | No information available.    |
| <b>Specific Gravity:</b>               | 0.990                        |
| <b>Solubility(ies):</b>                | Soluble in water             |
| <b>Partition Coefficient:</b>          | No information available.    |
| <b>Autoignition Temperature:</b>       | No information available.    |
| <b>Decomposition Temperature:</b>      | No information available.    |
| <b>Viscosity:</b>                      | No information available.    |

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

|  |   |
|--|---|
| <b>Hazardous Decomposition Products:</b> | May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors. |
|--|---|

## 11. TOXICOLOGICAL INFORMATION

|                                   |   |
|-----------------------------------|---|
| <b>Likely Routes of Exposure:</b> | Eyes, Skin, Ingestion, Inhalation.  |
| <b>Symptoms of Exposure:</b>      |   |
| -Eye Contact:                     | Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage. |
| -Skin Contact:                    | Pain, redness, blistering and possible chemical burn.   |
| -Inhalation:                      | Nasal discomfort and coughing.  |
| -Ingestion:                       | Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.           |

**Immediate, Delayed, Chronic Effects**

Product Information: Data not available or insufficient for classification.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

|                                |             |
|--------------------------------|-------------|
| ATEmix (oral):                 | 997 mg/kg   |
| ATEmix (dermal):               | 3000 mg/kg  |
| ATEmix (inhalation-dust/mist): | 5567.5 mg/l |

**Component Acute Toxicity Information**

| Chemical Name   | Oral LD50            | Dermal LD50   | Inhalation LC50          |
|---|----------------------|---------------|--------------------------|
| Water<br>7732-18-5                                    | > 90 mL/kg ( Rat )   | Not Available | Not Available            |
| alkyl dimethyl benzyl ammonium chloride<br>68424-85-1 | = 426 mg/kg ( Rat )  | Not Available | Not Available            |
| Ethanol<br>64-17-5                                    | = 7060 mg/kg ( Rat ) | Not Available | = 124.7 mg/L ( Rat ) 4 h |

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

| Chemical Name      | Algae/Aquatic Plants | Fish   | Toxicity to Microorganisms | Crustacea  |
|--------------------|----------------------|--|----------------------------|--|
| Ethanol<br>64-17-5 | Not Available        | 12.0 - 16.0: 96 h<br>Oncorhynchus mykiss mL/L<br>LC50 static 100: 96 h<br>Pimephales promelas mg/L<br>LC50 static 13400 - 15100:<br>96 h Pimephales promelas<br>mg/L LC50 flow-through | Not Available              | 9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h<br>Daphnia magna mg/L EC50 Static |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

|                                |   |
|--------------------------------|---|
| <b>Disposal of Wastes:</b>     | Dispose of in accordance with federal, state and local regulations. |
| <b>Contaminated Packaging:</b> | Dispose of in accordance with federal, state and local regulations. |

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN1903  
**Proper Shipping Name:** Disinfectants, liquid, corrosive n.o.s. (contains quaternary ammonium)  
**Hazard Class:** 8  
**Packing Group:** II  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**  
**UN/ID No:** UN1903  
**Proper Shipping Name:** Disinfectants, liquid, corrosive n.o.s. (contains quaternary ammonium)  
**Hazard Class:** 8  
**Packing Group:** II

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

|   |     |
|---|-----|
| <b>Acute Health Hazard:</b>               | Yes |
| <b>Chronic Health Hazard:</b>             | No  |
| <b>Fire Hazard:</b>                       | No  |
| <b>Sudden release of pressure hazard:</b> | No  |
| <b>Reactive Hazard:</b>                   | No  |

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 10324-117-5741

**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label: DANGER. Keep Out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

## 16. OTHER INFORMATION

|             |                          |                        |                            |                     |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| <b>NFPA</b> | <b>Health Hazards:</b> 3 | <b>Flammability:</b> 0 | <b>Instability:</b> 0      | <b>Special:</b> N/A |
| <b>HMIS</b> | <b>Health Hazards:</b> 3 | <b>Flammability:</b> 0 | <b>Physical Hazards:</b> 0 |                     |

**Revision Date:** 02-Jul-2018  
**Reasons for Revision:** Section 7

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# User-Prepared Solution Safety Summary Sheet

Revision Date: 04-Sep-2015

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SANI-T-10 PLUS USER-PREPARED SOLUTION (1:256)  
Diluted at 1:256 (or greater) in water

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**Medical Emergency/Information:** 888-314-6171

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Not Classified

Not classified as hazardous by 29 CFR 1910.1200 (OSHA HazCom-GHS)

### GHS Label Elements

**Signal Word:** No signal word

### Symbols:

No hazard statements

### Hazard Statements:

### Precautionary Statements:

**Prevention:** Not Applicable

### Response:

**-Specific Treatment:** See Safety Summary Sheet Section 4: "First Aid Measures" for additional information.

**Storage:** Not Applicable

**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:** May be harmful if swallowed. Causes moderate eye irritation. May cause skin irritation. Inhalation of vapors or mist may cause respiratory irritation. Keep out of reach of children.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                           | CAS No     | Weight-% |
|---|------------|----------|
| water                                   | 7732-18-5  | 90-100   |
| dialkyl dimethyl ammonium chloride      | 68424-95-3 | 0-0.1    |
| alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | 0-0.1    |
| ethanol                                 | 64-17-5    | 0-0.1    |

## 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**-Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

**Note to Physicians:** Treat symptomatically.

**5. PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Eye/Face Protection:** Not required with expected use.  
**Skin and Body Protection:** Not required with expected use.  
**Respiratory Protection:** Not required with expected use.  
**General Hygiene Considerations:** If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.  
Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

**6. PHYSICAL AND CHEMICAL PROPERTIES**

|                          |                              |
|--------------------------|------------------------------|
| <b>Color:</b>            | Colorless                    |
| <b>Odor:</b>             | Low                          |
| <b>pH:</b>               | 6.0-8.0                      |
| <b>Flash Point:</b>      | > 100 °C / > 212 °F ASTM D56 |
| <b>Specific Gravity:</b> | 1.00                         |

**7. OTHER INFORMATION**

**NFPA**                   **Health Hazards:** 1           **Flammability:** 0           **Instability:** 0           **Special:** N/A  
**HMIS**                   **Health Hazards:** 1           **Flammability:** 0           **Physical Hazards:** 0

**Revision Date:** 04-Sep-2015  
**Reasons for Revision:** No information available.